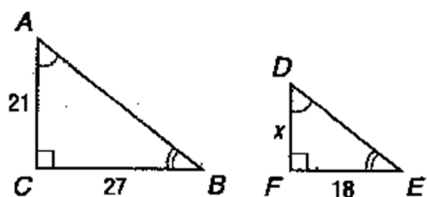


Name \_\_\_\_\_ Period \_\_\_\_\_

Geometry Unit 6 Worksheet #6 – Solve for missing sides in similar Polygons

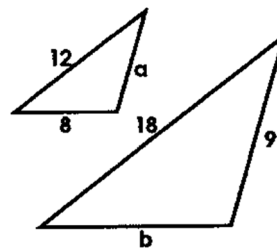
For #1-13, the pair of polygons are similar. Find the value of the variable(s).

1)



$x = \underline{\hspace{2cm}}$

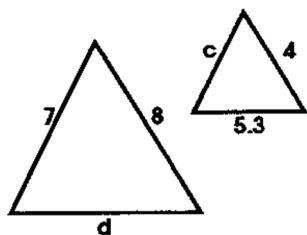
2)



$a = \underline{\hspace{2cm}}$

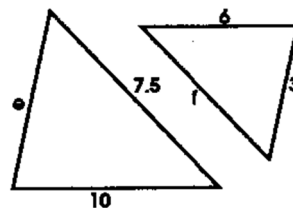
$b = \underline{\hspace{2cm}}$

3)



$c = \underline{\hspace{2cm}}$   $d = \underline{\hspace{2cm}}$

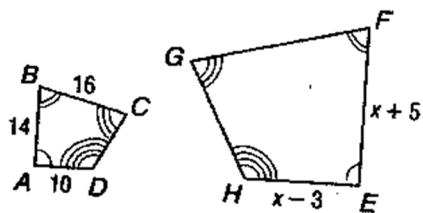
4)



$e = \underline{\hspace{2cm}}$

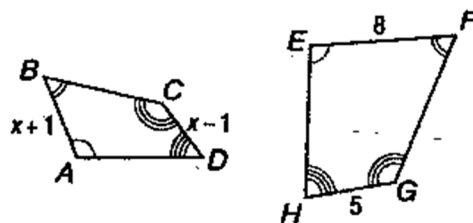
$f = \underline{\hspace{2cm}}$

5)



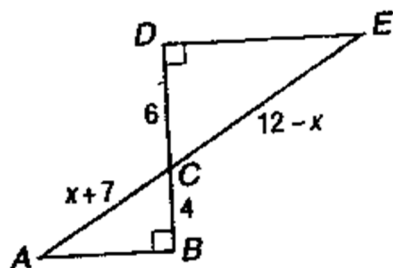
$x = \underline{\hspace{2cm}}$

6)



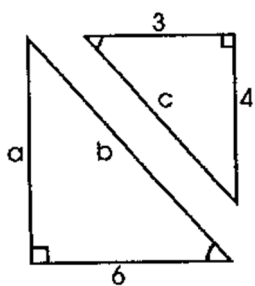
$x = \underline{\hspace{2cm}}$

7)



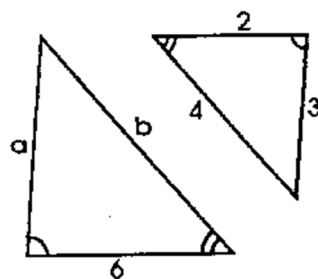
$x = \underline{\hspace{2cm}}$

8)



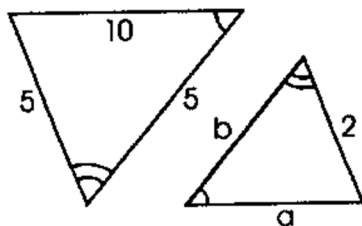
$$c = 5, a = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$$

9)



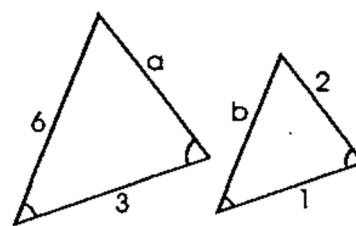
$$a = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$$

10)



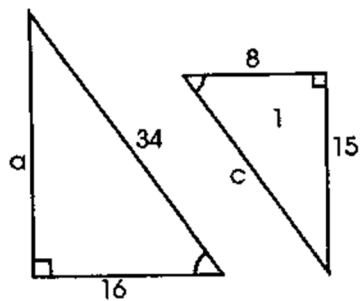
$$a = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$$

11)



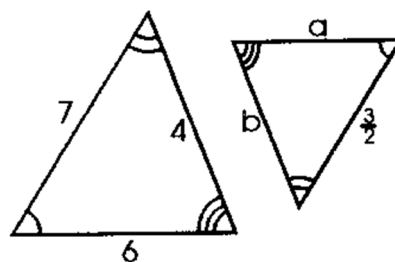
$$a = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$$

12)



$$a = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$$

13)



$$a = \underline{\hspace{2cm}} \quad b = \underline{\hspace{2cm}}$$